

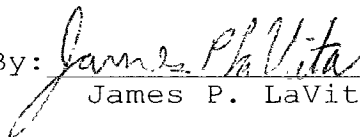
PCT/US05/02226

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : Northeastern University  
International  
Application No. : PCT/US2005/002226  
Filed : 20 January 2005  
For : ENHANCED DETECTION OF ACOUSTO-PHOTONIC  
EMISSIONS IN OPTICALLY TURBID MEDIA  
USING A PHOTO-REFRACTIVE CRYSTAL-BASED  
DETECTION SYSTEM  
Attorney Docket No. : NU-631Xq999

\* \* \* \* \*  
Express Mail Mailing Number: EV 223347845 US  
Date of Deposit - 31 May 2005

I hereby certify that this document is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and as addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Attention: Darlene Proctor.

By:   
James P. LaVita

\* \* \* \* \*

Transmittal letter consisting of 2 pages (in triplicate);

Power of Attorney document executed by Applicant.

Pages 8-10 of Applicant's Request, Form PCT/RO/101 with signatures;

Formal Drawings consisting of (6) sheets of Figs. 1-5;

Copy of General Power of Attorney for Applicant, Trustees of Boston University; and

Replacement pages 1-3 of Applicant's Request Form PCT/RO/101.

The above items are deposited with signatures and dated by the filing attorney as appropriate.

EXPRESS MAIL TRANSMITTAL LETTER J.0570005

International Application No.: PCT/US2005/002226

International Filing Date: 20 January 2005

Agent Ref: NU-631Xq999

Page 2

Express Mail No: EV 223347845 US

PLACE OF DEPOSIT \_\_\_\_\_

TIME OF LAST SCHEDULED PICK-UP \_\_\_\_\_  
FOR THAT PLACE

DATE OF DEPOSIT \_\_\_\_\_

DATE OF ENTRY \_\_\_\_\_

TIME OF ENTRY \_\_\_\_\_

DEPOSITOR'S INITIALS \_\_\_\_\_

322087-1

~~PCT WSGLEWINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP~~

Intellectual Property Law  
Patents • Trademarks • Copyrights

Ten Post Office Square  
Boston, Massachusetts 02109  
Tel. 617.542.2290 • Fax. 617.451.0313  
www.wsglip.com

May 31, 2005

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attn: Darlene Proctor

RE: International Application No. : PCT/US2005/002226  
International Filing Date : 20 January 2005  
Title : ENHANCED DETECTION OF ACOUSTO-PHOTONIC  
EMISSIONS IN OPTICALLY TURBID MEDIA  
USING A PHOTO-REFRACTIVE CRYSTAL-BASED  
DETECTION SYSTEM  
Applicant : Northeastern University  
Agent File Ref.: NU-631Xq999

Dear Madam:

Enclosed is a Power of Attorney document executed by the inventors, except for inventor Luis A. Nieva who is currently out of the country. Also enclosed is Form PCT/RO/101 Sheet Nos. 8-10 (Declaration of Inventorship) for the purpose of the designation of the United States of America with signatures by the inventors except for inventor Luis A. Nieva. We will provide the signature of Luis A. Nieva once it becomes available. The Applicants are hereby submitting these documents to the U.S. PCT Office for the records.

In addition, a set of formal drawings (6 sheets) is enclosed, consisting of Figs. 1-5. These drawings have a better quality for reproduction purposes. Kindly replace the original drawings in the files with these drawings.

PCT/US05/02226 - 31052005

Mail Stop PCT  
Commissioner for Patents  
May 31, 2005  
Page 2

Please note that an additional Applicant was inadvertently not identified at the time of filing of the above-identified application. The particulars of this additional Applicant are as follows:

TRUSTEES OF BOSTON UNIVERSITY  
One Sherborn Street  
Boston, Massachusetts 02215  
US


Applicant is hereby submitting herewith a copy of the General Power of Attorney for the additional Applicant.

Also enclosed are corrected pages 1-3 of PCT Request Form PCT/RO/101, showing the identification of the additional Applicant, Trustees of Boston University.

The Applicants hereby request the U.S. Receiving Office to correct the records and inform the International Bureau accordingly.

If an additional fee is required, the Commissioner is hereby authorized to charge the payment of such fee to Deposit Account No. 23-0804.

Respectfully submitted,

  
Richard E. Gamache  
Registration No. 39,196

REG/jow  
322055-1

Enclosures  
VIA EXPRESS MAIL

Intellectual Property Law  
Patents • Trademarks • Copyrights

Ten Post Office Square  
Boston, Massachusetts 02109  
Tel. 617.542.2290 • Fax. 617.451.0313  
www.wsglip.com

May 31, 2005

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attn: Darlene Proctor

RE: International Application No. : PCT/US2005/002226  
International Filing Date : 20 January 2005  
Title : ENHANCED DETECTION OF ACOUSTO-PHOTONIC  
EMISSIONS IN OPTICALLY TURBID MEDIA  
USING A PHOTO-REFRACTIVE CRYSTAL-BASED  
DETECTION SYSTEM  
Applicant : Northeastern University  
Agent File Ref.: NU-631Xq999

Dear Madam:

Enclosed is a Power of Attorney document executed by the inventors, except for inventor Luis A. Nieva who is currently out of the country. Also enclosed is Form PCT/RO/101 Sheet Nos. 8-10 (Declaration of Inventorship) for the purpose of the designation of the United States of America with signatures by the inventors except for inventor Luis A. Nieva. We will provide the signature of Luis A. Nieva once it becomes available. The Applicants are hereby submitting these documents to the U.S. PCT Office for the records.

In addition, a set of formal drawings (6 sheets) is enclosed, consisting of Figs. 1-5. These drawings have a better quality for reproduction purposes. Kindly replace the original drawings in the files with these drawings.

PCT/US05/02226 31052005

Mail Stop PCT  
Commissioner for Patents  
May 31, 2005  
Page 2

Please note that an additional Applicant was inadvertently not identified at the time of filing of the above-identified application. The particulars of this additional Applicant are as follows:

TRUSTEES OF BOSTON UNIVERSITY  
One Sherborn Street  
Boston, Massachusetts 02215  
US

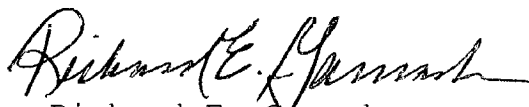
Applicant is hereby submitting herewith a copy of the General Power of Attorney for the additional Applicant.

Also enclosed are corrected pages 1-3 of PCT Request Form PCT/RO/101, showing the identification of the additional Applicant, Trustees of Boston University.

The Applicants hereby request the U.S. Receiving Office to correct the records and inform the International Bureau accordingly.

If an additional fee is required, the Commissioner is hereby authorized to charge the payment of such fee to Deposit Account No. 23-0804.

Respectfully submitted,



Richard E. Gamache  
Registration No. 39,196

REG/jow  
322055-1

Enclosures  
VIA EXPRESS MAIL

*Intellectual Property Law*  
*Patents • Trademarks • Copyrights*

Ten Post Office Square  
Boston, Massachusetts 02109  
Tel. 617.542.2290 • Fax. 617.451.0313  
www.wsclip.com

May 31, 2005

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attn: Darlene Proctor

RE: International Application No. : PCT/US2005/002226  
International Filing Date : 20 January 2005  
Title : ENHANCED DETECTION OF ACOUSTO-PHOTONIC  
EMISSIONS IN OPTICALLY TURBID MEDIA  
USING A PHOTO-REFRACTIVE CRYSTAL-BASED  
DETECTION SYSTEM  
Applicant : Northeastern University  
Agent File Ref.: NU-631Xq999

Dear Madam:

Enclosed is a Power of Attorney document executed by the inventors, except for inventor Luis A. Nieva who is currently out of the country. Also enclosed is Form PCT/RO/101 Sheet Nos. 8-10 (Declaration of Inventorship) for the purpose of the designation of the United States of America with signatures by the inventors except for inventor Luis A. Nieva. We will provide the signature of Luis A. Nieva once it becomes available. The Applicants are hereby submitting these documents to the U.S. PCT Office for the records.

In addition, a set of formal drawings (6 sheets) is enclosed, consisting of Figs. 1-5. These drawings have a better quality for reproduction purposes. Kindly replace the original drawings in the files with these drawings.

PCT/US05/02226 23.05.2005

Mail Stop PCT

Commissioner for Patents

May 31, 2005

Page 2

Please note that an additional Applicant was inadvertently not identified at the time of filing of the above-identified application. The particulars of this additional Applicant are as follows:

TRUSTEES OF BOSTON UNIVERSITY  
One Sherborn Street  
Boston, Massachusetts 02215  
US

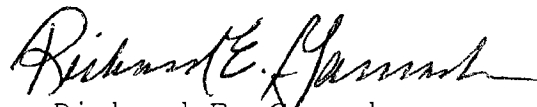
Applicant is hereby submitting herewith a copy of the General Power of Attorney for the additional Applicant.

Also enclosed are corrected pages 1-3 of PCT Request Form PCT/RO/101, showing the identification of the additional Applicant, Trustees of Boston University.

The Applicants hereby request the U.S. Receiving Office to correct the records and inform the International Bureau accordingly.

If an additional fee is required, the Commissioner is hereby authorized to charge the payment of such fee to Deposit Account No. 23-0804.

Respectfully submitted,



Richard E. Gamache  
Registration No. 39,196

REG/jow  
322055-1

Enclosures  
VIA EXPRESS MAIL



IN THE UNITED STATES RECEIVING OFFICE (RO/US)  
PATENT COOPERATION TREATY (PCT)

Applicant: Northeastern University  
(U.S. Only): Charles A. DiMarzio, Ronald A. Roy, Todd W. Murray,  
Florian J. Bonigen, Luis A. Nieva, Lei Sui, Gopi Maguluri

International Application No.:

International Filing Date: 20 January 2005

Title: ENHANCED DETECTION OF ACOUSTO-PHOTONIC  
EMISSIONS IN OPTICALLY TURBID MEDIA USING A PHOTO-  
REFRACTIVE CRYSTAL-BASED DETECTION SYSTEM

POWER OF ATTORNEY

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned Applicants hereby appoint the following attorneys:

SCHURGIN, Stanley M. - Reg. No. 20,979	HEINE, Holliday C. - Reg. No. 34,346
GAGNEBIN III, Charles L. - Reg. No. 25,467	MORIARTY, Gordon R. - Reg. No. 38,973
LEBOVICI, Victor B. - Reg. No. 30,864	GAMACHE, Richard E. - Reg. No. 39,196
HJORTH, Beverly E. - Reg. No. 32,033	HOOVER, Thomas O. - Reg. No. 32,470

all of the Firm of:

Weingarten, Schurgin, Gagnebin & Lebovici LLP  
Ten Post Office Square  
Boston, Massachusetts 02109  
US

to prosecute the above-identified application and to transact all business connected therewith in the United States Patent and Trademark Office, and to file with the USRO any International Application based thereon.

U.S. Applicant/Inventor

Charles A. DiMarzio 1/5/05  
Charles A. DiMarzio Date

Todd W. Murray 5/1/05  
Todd W. Murray Date

\_\_\_\_\_  
Luis A. Nieva Date

Gopi Maguluri 05/24/05  
Gopi Maguluri Date

Ronald A. Roy 4/1/05  
Ronald A. Roy Date

Florian J. Bonigen 2/14/05  
Florian J. Bonigen Date

Lei Sui 5/17/05  
Lei Sui Date

**Box No. VIII(iv) DECLARATION OF INVENTORSHIP (only for the purposes of the designation of the United States of America)**

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes No. VIII, VIII(i) to (v) (in general) and the specific Notes to Box No. VIII(iv). If this Box is not used, this sheet should not be included in the request.

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))  
for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/ (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior applications: .....

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Charles A. DiMarzio .....

Residence: 61 Garfield Street, Cambridge, Massachusetts 02138, United States of America  
(city and either US state, if applicable, or country)

Mailing address: 61 Garfield Street  
Cambridge, Massachusetts 02138, United States of America

Citizenship: United States of America

Inventor's Signature: *Charles A. DiMarzio*  
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: 14 Feb 05  
(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Name: Ronald A. Roy .....

Residence: 115 Essex Street, Mansfield, Massachusetts 02048, United States of America  
(city and either US state, if applicable, or country)

Mailing address: 115 Essex Street  
Mansfield, Massachusetts 02048, United States of America

Citizenship: United States of America

Inventor's Signature: *Ronald A. Roy*  
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: 4/1/05  
(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

☒ This declaration is continued on the following sheet, "Continuation of Box No. VIII(iv)".

**Continuation of Box No. VIII(i) to (v) DECLARATION**

*If the space is insufficient in any of Boxes Nos. VIII(i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII(iv), in such case, write "Continuation of box No. VIII..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet should not be included in the request.*

Name: Todd W. Murray

Residence: 4 Goldsmith Avenue, Medford, Massachusetts 02155, United States of America

Mailing Address: 4 Goldsmith Avenue  
Medford, Massachusetts 02155, United States of America

Citizenship: United States of America

Inventor's Signature: Todd Murray

Date: 5/1/05

Name: Florian J. Blonigen

Residence: 16 Tower Street, #4, Jamaica Plain, Massachusetts 02130, United States of America

Mailing Address: 16 Tower Street, #4  
Jamaica Plain, Massachusetts 02130, United States of America

Citizenship: United States of America

Inventor's Signature: Florian J. Blonigen

Date: 2/14/05

Name: Luis A. Nieva

Residence: 237 Cummins Highway, Apt. A31, Roslindale, Massachusetts 02131, United States of America

Mailing Address: 237 Cummins Highway, Apt. A31  
Roslindale, Massachusetts 02131, United States of America

Citizenship: Peru

Inventor's Signature: ✓

Date: ✓

**Continuation of Box No. VIII (i) to (v) DECLARATION**


If the space is insufficient in any of Boxes Nos. VIII(i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII(iv), in such case, write "Continuation of box No. VIII..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet should not be included in the request.

Name: Lei Sui

Residence: 1629 Commonwealth Avenue, Apt. 8, Brighton, Massachusetts 02135, United States of America

Mailing Address: 1629 Commonwealth Avenue  
Apt. 8  
Brighton, Massachusetts 02135, United States of America

Citizenship: China

Inventor's Signature 

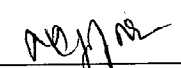
Date 5/17/2005

Name: Gopi Maguluri

Residence: 1367 Commonwealth Avenue, Apt. 1367, Allston, Massachusetts 02134, United States of America

Mailing Address: 1367 Commonwealth Avenue  
Apt. 1367  
Allston, Massachusetts 02134

Citizenship: India

Inventor's Signature 

Date 05/24/2005

1/6

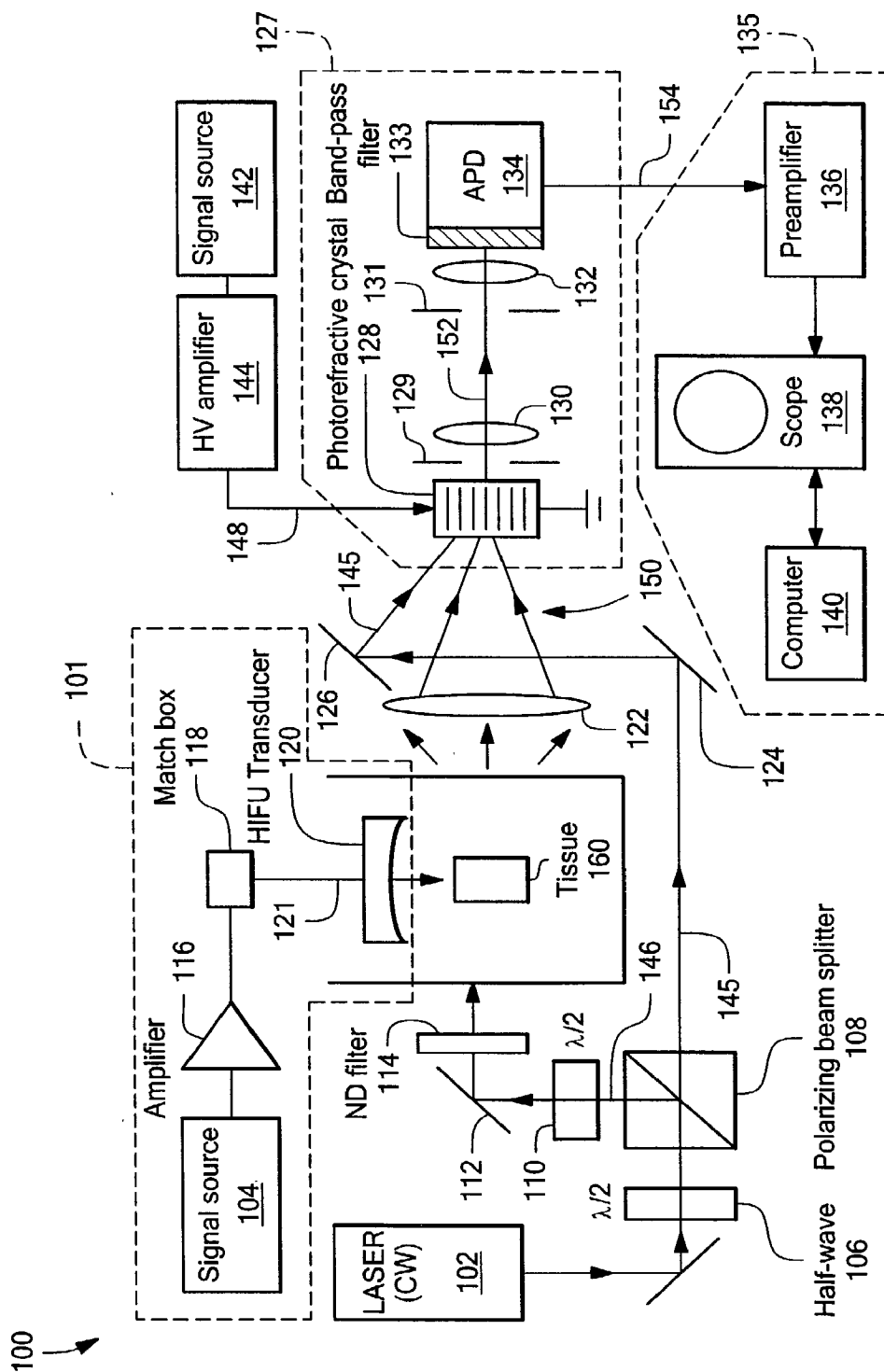
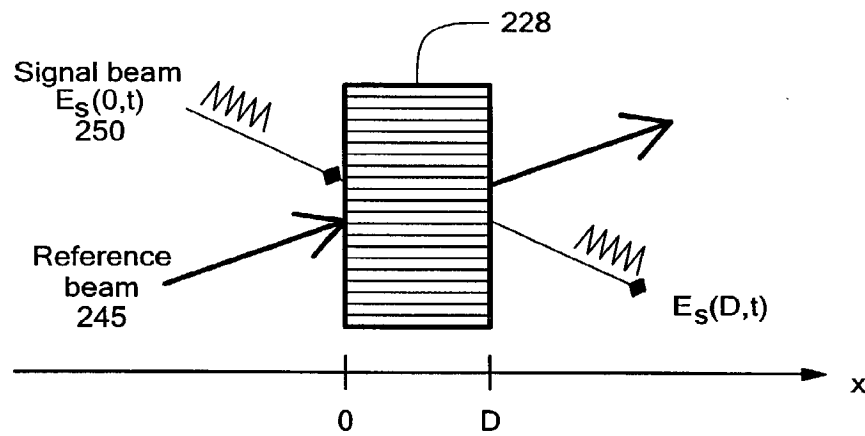


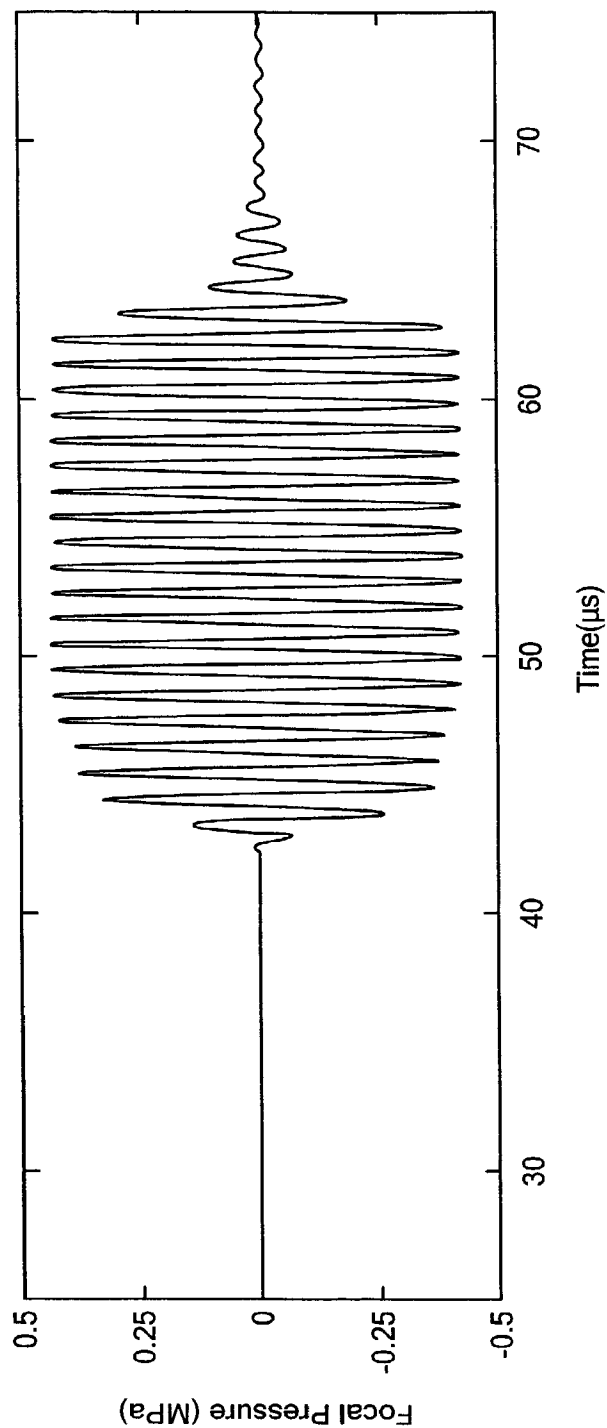
FIG. 1

SUBSTITUTE SHEET (RULE 26)



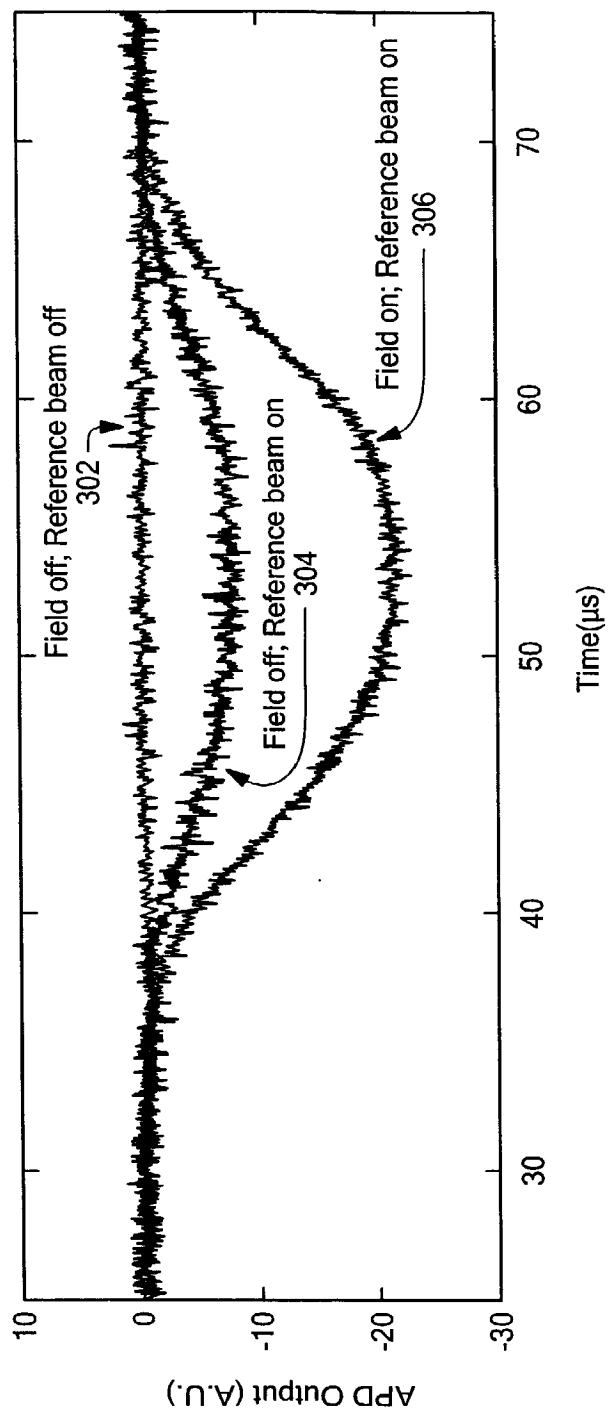
**FIG. 2**

3/6



**FIG. 3a**

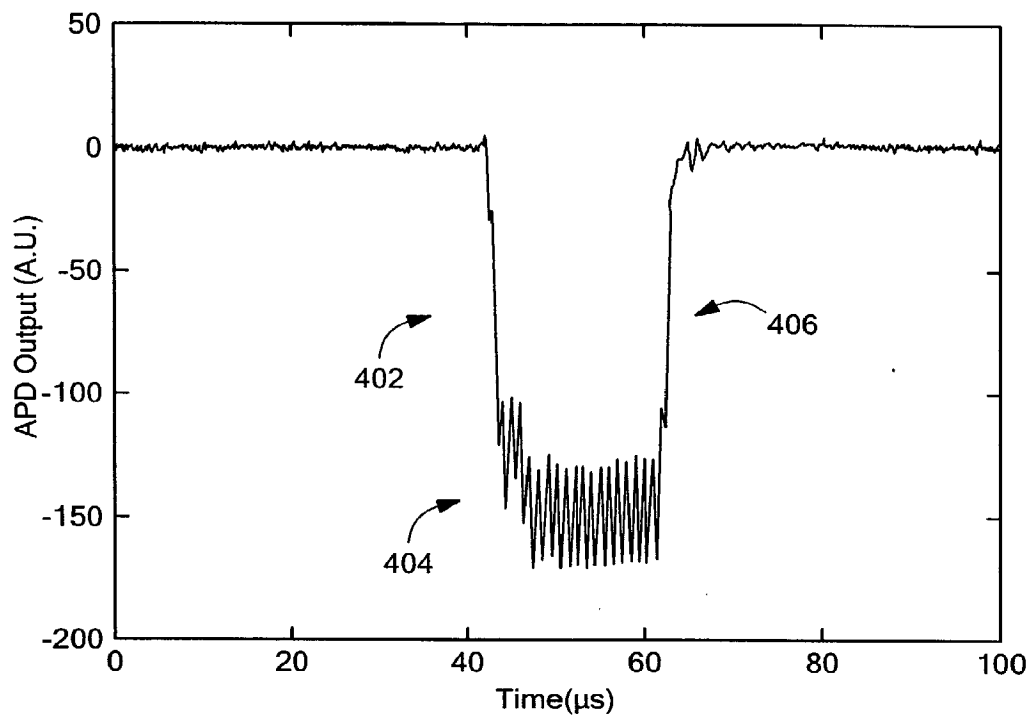
SUBSTITUTE SHEET (RULE 26)



**FIG. 3b**

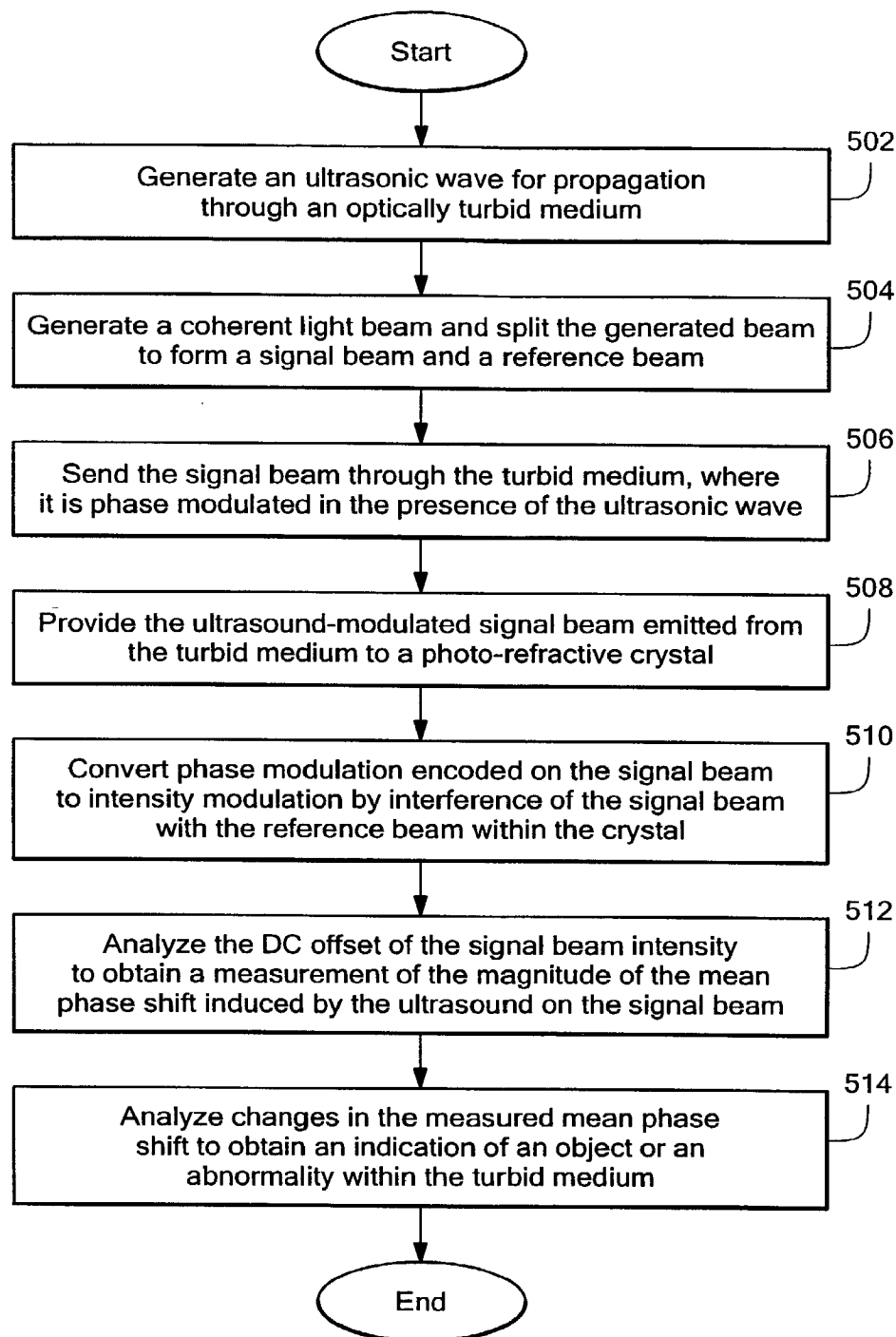


5/6



**FIG. 4**

6/6

**FIG. 5**

## GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s):

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

TRUSTEES OF BOSTON UNIVERSITY  
One Sherborn Street  
Boston, Massachusetts 02215  
US

Hereby appoints (appoint) the following person as:

☒ agent☐ common representative

## Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

HEINE, Holliday C. - Reg. No. 34,346

HJORTH, Beverly E. - Reg. No. 32,033

THOMPSON, James F. - Reg. No. 36,699

MORIARTY, Gordon R. - Reg. No. 38,973

SCHURGIN, Stanley M. - Reg. No. 20,979

DAGG, David A. - Reg. No. 37,809

GAGNEBIN III, Charles L. - Reg. No. 25,467

LEBOVICI, Victor B. - Reg. No. 30,864

WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP  
Ten Post Office Square  
Boston, Massachusetts 02109  
US

to represent the undersigned before

☒ all the competent International Authorities☐ the International Searching Authority only☐ the International Preliminary Examination Authority only


in connection with any and all international applications filed by the undersigned with the following Office

United States Patent and Trademark Office

as receiving Office and to make or receive

payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several persons, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading this power):

  
Name: Matthew J. Burns  
Title: Assistant Treasurer

MATTHEW J. BURNS  
ASSISTANT TREASURER  
BOSTON UNIVERSITY

Date:

April 14, 2003

**PCT**

PCT/RO/101 (first sheet) (January 2004)

**REQUEST**

The undersigned requests that the present  
International application be processed  
according to the Patent Cooperation Treaty

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference

(if desired) (12 characters maximum)

NU-631Xq999

**Box No. I TITLE OF INVENTION**

ENHANCED DETECTION OF ACOUSTO-PHOTONIC EMISSIONS IN OPTICALLY TURBID MEDIA USING A PHOTO-REFRACTIVE  
CRYSTAL-BASED DETECTION SYSTEM

**Box No. II APPLICANT**☐ This person is also inventor

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

NORTHEASTERN UNIVERSITY  
360 Huntington Avenue  
Boston, Massachusetts 02115  
US

Telephone No.  
(617) 373-8810

Facsimile No.  
(617) 373-8866

Teleprinter No.

Applicant's registration No. with the Office

State (that is, country) of nationality: US

State (that is, country) of residence: US

This person is applicant  
for the purposes of:

☐ all designated States☒ all designated States except the United States of America☐ the United States of America only☐ the States indicated in the Supplemental Box**Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTORS**

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

TRUSTEES OF BOSTON UNIVERSITY  
One Sherborn Street  
Boston, Massachusetts 02215  
US

This person is:

☒ Applicant only☐ Applicant and inventor☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: US

State (that is, country) of residence: US

This person is applicant  
for the purposes of:

☐ all designated States☒ all designated States except the United States of America☐ the United States of America only☐ the States indicated in the Supplemental Box☒ Further applicants and/or (further) inventors are indicated on a continuation sheet**Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**

This person identified below is hereby/has been appointed to act on behalf of the  
applicant(s) before the competent International Authorities as:

☒ agent☐ Common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

GAMACHE, Richard E.  
Weingarten, Schurgin, Gagnebin & Lebovici, LLP  
Ten Post Office Square  
Boston, Massachusetts 02109  
US

Telephone No.  
617-542-2290

Facsimile No.  
617-451-0313

Teleprinter No.

Agent's registration No. with the Office  
39,196

**Address for correspondence:** Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

## Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTORS

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

DIMARZIO, Charles A.  
61 Garfield Street  
Cambridge, Massachusetts 02138  
US

This person is:

- ☐ Applicant only  
☒ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: US

State (that is, country) of residence: US

This person is applicant for the purposes of:

☐

all designated States

☐

all designated States except the United States of America

☒

The United States of America only

☐

the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

ROY, Ronald A.  
115 Essex Street  
Mansfield, Massachusetts 02048  
US

This person is:

- ☐ Applicant only  
☒ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: US

State (that is, country) of residence: US

This person is applicant for the purposes of:

☐

all designated States

☐

all designated States except the United States of America

☒

The United States of America only

☐

the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

MURRAY, Todd W.  
4 Goldsmith Avenue  
Medford, Massachusetts 02155  
US

This person is:

- ☐ Applicant only  
☒ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: US

State (that is, country) of residence: US

This person is applicant for the purposes of:

☐

all designated States

☐

all designated States except the United States of America

☒

The United States of America only

☐

the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

BLONIGEN, Florian J.  
16 Tower Street, #4  
Jamaica Plain, Massachusetts 02130  
US

This person is:

- ☐ Applicant only  
☒ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: US

State (that is, country) of residence: US

This person is applicant for the purposes of:

☐

all designated States

☐

all designated States except the United States of America

☒

The United States of America only

☐

the States indicated in the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on another continuation sheet

## Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTORS

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

NIEVA, Luis A.  
237 Cummins Highway  
Apt. A31  
Roslindale, Massachusetts 02131  
US

This person is:

- ☐ Applicant only  
☒ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: PE

State (that is, country) of residence: US

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ The United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

SUI, Lei  
1629 Commonwealth Avenue  
Apt. 8  
Brighton, Massachusetts 02135  
US

This person is:

- ☐ Applicant only  
☒ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: CN

State (that is, country) of residence: US

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ The United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

MAGULURI, Gopi  
1367 Commonwealth Avenue  
Apt. 1367  
Allston, Massachusetts 02134  
US

This person is:

- ☐ Applicant only  
☒ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality: IN

State (that is, country) of residence: US

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ The United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

This person is:

- ☐ Applicant only  
☐ Applicant and inventor  
☐ Inventor only (if this check-box is marked, do not fill in below)

Applicant's registration No. with the Office

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☐ The United States of America only ☐ the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet